

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssseptal600cxc

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

|              |  |        |   |
|--------------|--|--------|---|
| NEWS         | 1  |        | Web Page for STN Seminar Schedule - N. America  |
| NEWS         | 2  | JAN 02 | STN pricing information for 2008 now available  |
| NEWS         | 3  | JAN 16 | CAS patent coverage enhanced to include exemplified prophetic substances              |
| NEWS         | 4  | JAN 28 | USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats          |
| NEWS         | 5  | JAN 28 | MARPAT searching enhanced   |
| NEWS         | 6  | JAN 28 | USGENE now provides USPTO sequence data within 3 days of publication                  |
| NEWS         | 7  | JAN 28 | TOXCENTER enhanced with reloaded MEDLINE segment                                      |
| NEWS         | 8  | JAN 28 | MEDLINE and LMEEDLINE reloaded with enhancements                                      |
| NEWS         | 9  | FEB 08 | STN Express, Version 8.3, now available   |
| NEWS         | 10   | FEB 20 | PCI now available as a replacement to DPCI  |
| NEWS         | 11   | FEB 25 | IFIREF reloaded with enhancements   |
| NEWS         | 12   | FEB 25 | IMSPRODUCT reloaded with enhancements   |
| NEWS         | 13   | FEB 29 | WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification |
| NEWS         | 14   | MAR 31 | IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats               |
| NEWS         | 15   | MAR 31 | CAS REGISTRY enhanced with additional experimental spectra                            |
| NEWS         | 16   | MAR 31 | CA/CAPLUS and CASREACT patent number format for U.S. applications updated             |
| NEWS         | 17   | MAR 31 | LPCI now available as a replacement to LDPCI  |
| NEWS         | 18   | MAR 31 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements                                 |
| NEWS         | 19   | APR 04 | STN AnaVist, Version 1, to be discontinued  |
| NEWS         | 20   | APR 15 | WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats             |
| NEWS         | 21   | APR 28 | EMBASE Controlled Term thesaurus enhanced   |
| NEWS         | 22   | APR 28 | IMSRESEARCH reloaded with enhancements  |
| NEWS         | 23   | MAY 30 | INPAFAMDB now available on STN for patent family searching                            |
| NEWS         | 24   | MAY 30 | DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option           |
| NEWS         | 25   | JUN 06 | EPFULL enhanced with 260,000 English abstracts  |
| NEWS         | 26   | JUN 06 | KOREAPAT updated with 41,000 documents  |
| NEWS         | 27   | JUN 13 | USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications   |
|              |  |        |   |
| NEWS EXPRESS | FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008 |        |   |
|              |  |        |   |
| NEWS HOURS   | STN Operating Hours Plus Help Desk Availability  |        |   |
| NEWS LOGIN   | Welcome Banner and News Items  |        |   |
| NEWS IPC8    | For general information regarding STN implementation of IPC 8                                    |        |   |

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 21:17:36 ON 14 JUN 2008

=>

|  |            |         |
|--|------------|---------|
| => file medline, agricola, caba, caplus, biosis, biotechno |            |         |
| COST IN U.S. DOLLARS                                       | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 7.14       | 7.14    |

FILE 'MEDLINE' ENTERED AT 21:37:59 ON 14 JUN 2008

FILE 'AGRICOLA' ENTERED AT 21:37:59 ON 14 JUN 2008

FILE 'CABA' ENTERED AT 21:37:59 ON 14 JUN 2008

COPYRIGHT (C) 2008 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 21:37:59 ON 14 JUN 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 21:37:59 ON 14 JUN 2008

Copyright (c) 2008 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 21:37:59 ON 14 JUN 2008

COPYRIGHT (C) 2008 Elsevier Science B.V., Amsterdam. All rights reserved.

=> s (abdullah, m? or abdullah m?)/au

L1 1414 (ABDULLAH, M? OR ABDULLAH M?)/AU

=> s (kulaveerasingam, h? or kulaveerasingam h?)/au

L2 13 (KULAVEERASINGAM, H? OR KULAVEERASINGAM H?)/AU

=> s l1 and l2

L3 4 L1 AND L2

=> duplicate remove l3

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L3

L4 3 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)

=> d l4 1-3 ti

L4 ANSWER 1 OF 3 MEDLINE on STN

TI Analysis and functional annotation of expressed sequence tags (ESTs) from multiple tissues of oil palm (Elaeis guineensis Jacq.).

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1

TI Analysis and functional annotation of expressed sequence tags (ESTs) from multiple tissues of oil palm (Elaeis guineensis Jacq.)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN  
 TI Protein and cDNA sequences of oil palm peroxiredoxin gene as plant  
 embryogenesis marker

=> d 14 1, 3 bib

L4 ANSWER 1 OF 3 MEDLINE on STN  
 AN 2008078899 MEDLINE  
 DN PubMed ID: 17953740  
 TI Analysis and functional annotation of expressed sequence tags (ESTs) from  
 multiple tissues of oil palm (*Elaeis guineensis* Jacq.).  
 AU Ho Chai-Ling; Kwan Yen-Yen; Choi Mei-Chooi; Tee Sue-Sean; Ng Wai-Har; Lim  
 Kok-Ang; Lee Yang-Ping; Ooi Siew-Eng; Lee Weng-Wah; Tee Jin-Ming; Tan  
 Siang-Hee; Kulaveerasingam Harikrishna; Alwee Sharifah Shahrul  
 Rabiah Syed; Abdullah Meilina Ong  
 CS Department of Cell and Molecular Biology, Faculty of Biotechnology and  
 Biomolecular Sciences, Universiti Putra Malaysia, 43400 UPM-Serdang,  
 Selangor, Malaysia.. clho@biotech.upm.edu.my  
 SO BMC genomics, (2007) Vol. 8, pp. 381. Electronic Publication: 2007-10-22.  
 Journal code: 100965258. E-ISSN: 1471-2164.  
 CY England: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 (RESEARCH SUPPORT, NON-U.S. GOV'T)  
 LA English  
 FS Priority Journals  
 EM 200803  
 ED Entered STN: 2 Feb 2008  
 Last Updated on STN: 8 Mar 2008  
 Entered Medline: 7 Mar 2008

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2002:486238 CAPLUS  
 DN 137:42661  
 TI Protein and cDNA sequences of oil palm peroxiredoxin gene as plant  
 embryogenesis marker  
 IN Abdullah, Meilina Ong; Kulaveerasingam, Harikrishna  
 PA Malaysian Palm Oil Board, Malay.  
 SO Eur. Pat. Appl., 41 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

|      | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|------|--|------|----------|-----------------|----------|
| PI   | EP 1217068   | A2   | 20020626 | EP 2001-310705  | 20011220 |
|      | EP 1217068   | A3   | 20020717 |                 |          |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, MK, CY, AL, TR |      |          |                 |          |
|      | AU 2001097279  | A    | 20020627 | AU 2001-97279   | 20011218 |
|      | AU 785456  | B2   | 20070712 |                 |          |
| PRAI | AU 2000-2213   | A    | 20001220 |                 |          |

=> s 11 or 12

L5 1423 L1 OR L2

=> s 15 not 13

L6 1419 L5 NOT L3

=> s peroxiredoxin

L7 4134 PEROXIREDOXIN

```

=> s 16 and 17
L8      0 L6 AND L7

=> s 17 and (oil(w)palm or elaeis(w)olifera)
L9      1 L7 AND (OIL(W) PALM OR ELAEIS(W) OLIFERA)

=> s 19 not 15
L10     0 L9 NOT L5

=> s 17 and plant
L11     382 L7 AND PLANT

=> s 111 and (transformed or transgenic)
L12     54 L11 AND (TRANSFORMED OR TRANSGENIC)

=> s 112 not 15
L13     54 L12 NOT L5

=> duplicate remove l13
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L13
L14     26 DUPLICATE REMOVE L13 (28 DUPLICATES REMOVED)

=> d l14 1-10 ti

L14 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Transgenic plants expressing foreign genes for fatty acid
desaturases and elongases for the manufacture of polyunsaturated fatty
acids

L14 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Protein and cDNA sequences of corn stress-inducible transcriptional factor
DREB2A and uses in improving stress resistance in transgenic
plants

L14 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Toxicity assessment of wastewater by proteomics analysis

L14 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Alternate quaternary isoforms (morphoeins) of porphobilinogen synthase and
other allosteric enzymes as a target for the development of antimicrobials
and herbicides

L14 ANSWER 5 OF 26 MEDLINE on STN
TI Rice NTRC is a high-efficiency redox system for chloroplast protection
against oxidative damage.

L14 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Functional replacement of ferredoxin by a cyanobacterial flavodoxin in
tobacco confers broad-range stress tolerance

L14 ANSWER 7 OF 26 CABA COPYRIGHT 2008 CABI on STN DUPLICATE 1
TI The function of peroxiredoxins in plant organelle redox
metabolism.

L14 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
TI Overexpression of a chloroplast-located peroxiredoxin Q gene,
SsPrxQ, increases the salt and low-temperature tolerance of Arabidopsis

L14 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

```

TI 2-Cysteine peroxiredoxin complex exhibiting function acting as molecular chaperone and uses thereof

L14 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

TI Sulfiredoxins and their use in diagnosis and treatment of neurodegenerative diseases and cancer and in drug screening

=> d 114 8,9 bib

L14 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2006:1209114 CAPLUS

DN 147:138427

TI Overexpression of a chloroplast-located peroxiredoxin Q gene, SsPrxQ, increases the salt and low-temperature tolerance of Arabidopsis

AU Jing, Li-Wen; Chen, Shi-Hua; Guo, Xiao-Li; Zhang, Hui; Zhao, Yan-Xiu

CS Key Laboratory of Plant Stress Research, College of Life Sciences, Shandong Normal University, Jinan, 250014, Peop. Rep. China

SO Journal of Integrative Plant Biology (2006), 48(10), 1244-1249

CODEN: JIPBAV; ISSN: 1672-9072

PB Blackwell Publishing Asia Pty Ltd.

DT Journal

LA English

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:1290163 CAPLUS

DN 144:32867

TI 2-Cysteine peroxiredoxin complex exhibiting function acting as molecular chaperone and uses thereof

IN Lee, Sang Yeol; Cho, Moo Je; Moon, Jeong Chan; Park, Jin Ho; Kim, Sun Young; Lee, Young Mi; Jeon, Min Gyu; Jung, Ji Hyun; Lim, Chae Oh; Jang, Ho Hee; Jung, Tae Sung; Cheong, Gang Won; Lee, Jung Ro; Park, Soo Kwon; Lee, Seoung Sik; Chi, Yong Hun; Jeon, Hye Sook

PA Industry-Academic Cooperation Foundation Gyeong Sang National University, S. Korea

SO PCT Int. Appl., 98 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| PI WO 2005116082  | A1   | 20051208 | WO 2005-KR1568  | 20050527 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| KR 2006045902   | A    | 20060517 | KR 2005-37546   | 20050504 |
| PRAI KR 2004-37875  | A    | 20040527 |                 |          |
| KR 2005-37546   | A    | 20050504 |                 |          |

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 114 11-20 ti

- L14 ANSWER 11 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2008) on STN DUPLICATE 2
- TI A Peroxiredoxin Q Homolog from Gentians is Involved in Both Resistance Against Fungal Disease and Oxidative Stress.
- L14 ANSWER 12 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2008) on STN
- TI Analysis of the proteins targeted by CDSP32, a plastidic thioredoxin participating in oxidative stress responses.
- L14 ANSWER 13 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2008) on STN
- TI Poplar peroxiredoxin Q. A thioredoxin-linked chloroplast antioxidant functional in pathogen defense.
- L14 ANSWER 14 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2008) on STN
- TI The acceptor availability of photosystem I and ABA control nuclear expression of 2-Cys peroxiredoxin-A in Arabidopsis thaliana.
- L14 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
- TI Using mutants to understand light stress acclimation in plants
- L14 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
- TI High protein phenotype-associated plant genes and their use for generating transgenic plants with improved nutritional properties
- L14 ANSWER 17 OF 26 MEDLINE on STN DUPLICATE 3
- TI Potato plants lacking the CDSP32 plastidic thioredoxin exhibit overoxidation of the BAS1 2-cysteine peroxiredoxin and increased lipid Peroxidation in thylakoids under photooxidative stress.
- L14 ANSWER 18 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2008) on STN DUPLICATE 4
- TI Seed 1-cysteine peroxiredoxin antioxidants are not involved in dormancy, but contribute to inhibition of germination during stress.
- L14 ANSWER 19 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2008) on STN
- TI ABI3 mediates expression of the peroxiredoxin antioxidant atPER1 gene and induction by oxidative stress.
- L14 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN
- TI NDP kinase 2 regulates expression of antioxidant genes in Arabidopsis

=> d 114 11,13,14,16,17,18 bib

- L14 ANSWER 11 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN  
DUPLICATE 2  
AN 2005:53492 AGRICOLA  
DN IND43725323  
TI A Peroxiredoxin Q Homolog from Gentians is Involved in Both Resistance Against Fungal Disease and Oxidative Stress.  
AU Kiba, Akinori; Nishihara, Masahiro; Tsukatani, Nobue; Nakatsuka, Takashi; Kato, Yoshiaki; Yamamura, Saburo  
AV DNAL (450 P699)  
SO Plant and cell physiology, 2005 Jun. Vol. 46, no. 6 p. 1007-1015  
ISSN: 0032-0781  
NTE Includes references  
DT Article  
FS Non-US  
LA English
- L14 ANSWER 13 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN  
AN 2004:15697 AGRICOLA  
DN IND43621463  
TI Poplar peroxiredoxin Q. A thioredoxin-linked chloroplast antioxidant functional in pathogen defense.  
AU Rouhier, N.; Gelhaye, E.; Gualberto, J.M.; Jordy, M.N.; Fay, E. de; Hirasawa, M.; Duplessis, S.; Lemaire, S.D.; Frey, P.; Martin, F.  
AV DNAL (450 P692)  
SO Plant physiology, 2004 Mar. Vol. 134, no. 3 p. 1027-1038  
ISSN: 0032-0889  
NTE Includes references  
DT Article; Conference  
FS Other US  
LA English
- L14 ANSWER 14 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2008) on STN  
AN 2004:45988 AGRICOLA  
DN IND43645316  
TI The acceptor availability of photosystem I and ABA control nuclear expression of 2-Cys peroxiredoxin-A in Arabidopsis thaliana.  
AU Baier, M.; Stroher, E.; Dietz, K.J.  
AV DNAL (450 P699)  
SO Plant and cell physiology, 2004 Aug. Vol. 45, no. 8 p. 997-1006  
ISSN: 0032-0781  
NTE Includes references  
DT Article  
FS Non-US  
LA English
- L14 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2003:261949 CAPLUS  
DN 138:282450  
TI High protein phenotype-associated plant genes and their use for generating transgenic plants with improved nutritional properties

IN Su, Wenpei; Andon, Nancy; Haynes, Paul; Briggs, Steven P.; Cooper, Bret;  
Glazebrook, Jane; Goff, Stephen A.; Katagiri, Fumiaki; Kreps, Joel;  
Moughamer, Todd; Provart, Nicholas; Ricke, Darrell; Zhu, Tong  
PA Syngenta Participations AG, Switz.  
SO PCT Int. Appl., 163 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 11

|      | PATENT NO.      | KIND   | DATE     | APPLICATION NO. | DATE     |
|------|-----------------|--|----------|-----------------|----------|
| PI   | WO 2003027249   | A2   | 20030403 | WO 2002-US30475 | 20020926 |
|      | WO 2003027249   | A3   | 20050728 |                 |          |
|      | W:              | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW |          |                 |          |
|      | RW:             | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
| EP   | 1925672         | A1   | 20080528 | EP 2008-102091  | 20020621 |
|      | R:              | AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, TR   |          |                 |          |
| AU   | 2002337695      | A1   | 20030407 | AU 2002-337695  | 20020926 |
| US   | 20030135888     | A1   | 20030717 | US 2002-259165  | 20020926 |
| US   | 20040010815     | A1   | 20040115 | US 2002-259194  | 20020926 |
| EP   | 1576163         | A2   | 20050921 | EP 2002-773582  | 20020926 |
|      | R:              | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK   |          |                 |          |
| PRAI | US 2001-325277P | P  | 20010926 |                 |          |
|      | US 2002-370526P | P  | 20020404 |                 |          |
|      | US 2002-370620P | P  | 20020404 |                 |          |
|      | US 2001-300112P | P  | 20010622 |                 |          |
|      | US 2001-314662P | P  | 20010824 |                 |          |
|      | US 2001-332132P | P  | 20011121 |                 |          |
|      | US 2002-368327P | P  | 20020327 |                 |          |
|      | US 2002-370743P | P  | 20020404 |                 |          |
| EP   | 2002-775690     | A3   | 20020621 |                 |          |
| WO   | 2002-US30475    | W  | 20020926 |                 |          |

L14 ANSWER 17 OF 26 MEDLINE on STN DUPLICATE 3  
AN 2003328574 MEDLINE  
DN PubMed ID: 12857815  
TI Potato plants lacking the CDSP32 plastidic thioredoxin exhibit overoxidation of the BAS1 2-cysteine peroxidoredoxin and increased lipid Peroxidation in thylakoids under photooxidative stress.  
AU Broin Melanie; Rey Pascal  
CS Commissariat a l'Energie Atomique (CEA)/Cadarche, Direction des Sciences du Vivant, Departement d'Ecophysiologie Vegetale et de Microbiologie, Laboratoire d'Ecophysiologie de la Photosynthese, France.  
SO Plant physiology, (2003 Jul) Vol. 132, No. 3, pp. 1335-43.  
Journal code: 0401224. ISSN: 0032-0889.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200311  
ED Entered STN: 15 Jul 2003  
Last Updated on STN: 8 Nov 2003



Entered Medline: 7 Nov 2003

L14 ANSWER 18 OF 26 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2008) on STN DUPLICATE 4  
AN 2006:55872 AGRICOLA  
DN IND43817583  
TI Seed L-cysteine peroxiredoxin antioxidants are not involved in  
dormancy, but contribute to inhibition of germination during stress.  
AU Haslekas, C.; Viken, M.K.; Grini, P.E.; Nygaard, V.; Nordgard, S.H.; Meza,  
T.J.; Aalen, R.B.  
AV DNAL (450 P692)  
SO Plant physiology, 2003 Nov. Vol. 133, no. 3 p. 1148-1157  
ISSN: 0032-0889  
NTE Includes references  
DT Article; Conference  
FS Other US  
LA English

=> d l14 21-26 ti

L14 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN  
TI Environmental stress responsive gene promoters identified from Arabidopsis  
thaliana and use thereof for preparation of stress-responsive  
transgenic plants  
  
L14 ANSWER 22 OF 26 MEDLINE on STN DUPLICATE 5  
TI The plastidic 2-cysteine peroxiredoxin is a target for a  
thioredoxin involved in the protection of the photosynthetic apparatus  
against oxidative damage.  
  
L14 ANSWER 23 OF 26 MEDLINE on STN DUPLICATE 6  
TI Antisense suppression of 2-cysteine peroxiredoxin in Arabidopsis  
specifically enhances the activities and expression of enzymes associated  
with ascorbate metabolism but not glutathione metabolism.  
  
L14 ANSWER 24 OF 26 MEDLINE on STN DUPLICATE 7  
TI Rice lCys-peroxiredoxin over-expressed in transgenic  
tobacco does not maintain dormancy but enhances antioxidant activity.  
  
L14 ANSWER 25 OF 26 MEDLINE on STN DUPLICATE 8  
TI Protective function of chloroplast 2-cysteine peroxiredoxin in  
photosynthesis. Evidence from transgenic Arabidopsis.  
  
L14 ANSWER 26 OF 26 CABA COPYRIGHT 2008 CABI on STN DUPLICATE 9  
TI The plant 2-Cys peroxiredoxin protects chloroplasts  
from oxidative damage.

=> d l14 21-26 bib

L14 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2002:406957 CAPLUS  
DN 137:1535  
TI Environmental stress responsive gene promoters identified from Arabidopsis  
thaliana and use thereof for preparation of stress-responsive  
transgenic plants  
IN Shinozaki, Kazuo; Seki, Motoaki; Nanjo, Tokihiko  
PA Riken Corp., Japan; Toyota Jidosha Kabushiki Kaisha  
SO Eur. Pat. Appl., 87 pp.

CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | EP 1209228  | A2   | 20020529 | EP 2001-127716  | 20011121 |
|      | EP 1209228  | A3   | 20021030 |                 |          |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR |      |          |                 |          |
|      | JP 2002325583   | A    | 20021112 | JP 2001-309984  | 20011005 |
|      | JP 3995912  | B2   | 20071024 |                 |          |
|      | US 20070006348  | A1   | 20070104 | US 2001-988739  | 20011120 |
|      | AU 2001091431   | A    | 20020523 | AU 2001-91431   | 20011121 |
|      | AU 785384   | B2   | 20070329 |                 |          |
|      | CN 1373222  | A    | 20021009 | CN 2001-145739  | 20011122 |
|      | JP 2007167074   | A    | 20070705 | JP 2007-32680   | 20070213 |
|      | AU 2007201459   | A1   | 20070419 | AU 2007-201459  | 20070403 |
| PRAI | JP 2000-356652  | A    | 20001122 |                 |          |
|      | JP 2001-309984  | A    | 20011005 |                 |          |
|      | AU 2001-91431   | A    | 20011121 |                 |          |

L14 ANSWER 22 OF 26 MEDLINE on STN DUPLICATE 5  
 AN 2002419887 MEDLINE  
 DN PubMed ID: 12084836  
 TI The plastidic 2-cysteine peroxiredoxin is a target for a thioredoxin involved in the protection of the photosynthetic apparatus against oxidative damage.  
 AU Broin Melanie; Cuine Stephan; Eymery Francoise; Rey Pascal  
 CS Commissariat a l'Energie Atomique/Cadarache, Direction des Sciences du Vivant, Departement d'Ecophysiologie Vegetale et de Microbiologie, Universite de la Mediterranee CEA 1000, 13108 Saint-Paul-lez-Durance Cedex, France.  
 SO The Plant cell, (2002 Jun) Vol. 14, No. 6, pp. 1417-32.  
 CY United States  
 DT (COMPARATIVE STUDY)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AC009978; GENBANK-AJ318055; GENBANK-Y09987; SWISSPROT-Q96291  
 EM 200209  
 ED Entered STN: 15 Aug 2002  
 Last Updated on STN: 24 Sep 2002  
 Entered Medline: 23 Sep 2002

L14 ANSWER 23 OF 26 MEDLINE on STN DUPLICATE 6  
 AN 2001102027 MEDLINE  
 DN PubMed ID: 11027730  
 TI Antisense suppression of 2-cysteine peroxiredoxin in Arabidopsis specifically enhances the activities and expression of enzymes associated with ascorbate metabolism but not glutathione metabolism.  
 AU Baier M; Noctor G; Foyer C H; Dietz K J  
 CS Stoffwechselphysiologie und Biochemie der Pflanzen, Universitat Bielefeld, Universitaetsstrabetae 25, 33615 Bielefeld, Germany..  
 margarete.baier@biologie.uni-bielefeld.de  
 SO Plant physiology, (2000 Oct) Vol. 124, No. 2, pp. 823-32.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 (RESEARCH SUPPORT, NON-U.S. GOV'T)  
 LA English

FS Priority Journals  
EM 200101  
ED Entered STN: 22 Mar 2001  
Last Updated on STN: 22 Mar 2001  
Entered Medline: 26 Jan 2001

L14 ANSWER 24 OF 26 MEDLINE on STN DUPLICATE 7  
AN 2001091867 MEDLINE  
DN PubMed ID: 11113447  
TI Rice lCys-peroxiredoxin over-expressed in transgenic tobacco does not maintain dormancy but enhances antioxidant activity.  
AU Lee K O; Jang H H; Jung B G; Chi Y H; Lee J Y; Choi Y O; Lee J R; Lim C O; Cho M J; Lee S Y  
CS School of Applied Life Sciences, Gyeongsang National University, 660-701, Chinju, South Korea.  
SO FEBS letters, (2000 Dec 8) Vol. 486, No. 2, pp. 103-6.  
Journal code: 0155157. ISSN: 0014-5793.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)  
LA English  
FS Priority Journals  
EM 200101  
ED Entered STN: 22 Mar 2001  
Last Updated on STN: 22 Mar 2001  
Entered Medline: 25 Jan 2001

L14 ANSWER 25 OF 26 MEDLINE on STN DUPLICATE 8  
AN 1999214472 MEDLINE  
DN PubMed ID: 10198100  
TI Protective function of chloroplast 2-cysteine peroxiredoxin in photosynthesis. Evidence from transgenic Arabidopsis.  
AU Baier M; Dietz K J  
CS Stoffwechselphysiologie und Biochemie der Pflanzen, Universitat Bielefeld, Universitätsstrasse 25, 33615 Bielefeld, Germany.  
SO Plant physiology, (1999 Apr) Vol. 119, No. 4, pp. 1407-14.  
Journal code: 0401224. ISSN: 0032-0889.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)  
LA English  
FS Priority Journals  
EM 199905  
ED Entered STN: 7 Jun 1999  
Last Updated on STN: 14 Jan 2000  
Entered Medline: 24 May 1999

L14 ANSWER 26 OF 26 CABA COPYRIGHT 2008 CABI on STN DUPLICATE 9  
AN 1999:110929 CABA  
DN 19991608126  
TI The plant 2-Cys peroxiredoxin protects chloroplasts from oxidative damage  
AU Baier, M.; Dietz, K. J.; Garab, G. [EDITOR]  
CS Universitat Bielefeld, 33615 Bielefeld, Germany.  
SO Photosynthesis: mechanisms and effects. Volume III. Proceedings of the XIth International Congress on Photosynthesis, Budapest, Hungary, 17-22 August, 1998, (1998) pp. 2003-2006. 11 ref.  
Publisher: Kluwer Academic Publishers. Dordrecht  
Meeting Info.: Photosynthesis: mechanisms and effects. Volume III. Proceedings of the XIth International Congress on Photosynthesis, Budapest, Hungary, 17-22 August, 1998.  
ISBN: 0-7923-5544-X; 0-7923-5547-4

CY Netherlands Antilles  
DT Conference Article  
LA English  
ED Entered STN: 11 Aug 1999  
Last Updated on STN: 11 Aug 1999

=> d his

(FILE 'HOME' ENTERED AT 21:17:36 ON 14 JUN 2008)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
21:37:59 ON 14 JUN 2008

L1 1414 S (ABDULLAH, M? OR ABDULLAH M?)/AU  
L2 13 S (KULAVEERASINGAM, H? OR KULAVEERASINGAM H?)/AU  
L3 4 S L1 AND L2  
L4 3 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)  
L5 1423 S L1 OR L2  
L6 1419 S L5 NOT L3  
L7 4134 S PEROXIREDOXIN  
L8 0 S L6 AND L7  
L9 1 S L7 AND (OIL(W)PALM OR ELAEIS(W)OLIFERA)  
L10 0 S L9 NOT L5  
L11 382 S L7 AND PLANT  
L12 54 S L11 AND (TRANSFORMED OR TRANSGENIC)  
L13 54 S L12 NOT L5  
L14 26 DUPLICATE REMOVE L13 (28 DUPLICATES REMOVED)

=> file uspatfull

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 50.80            | 57.94         |

FILE 'USPATFULL' ENTERED AT 21:44:52 ON 14 JUN 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 12 Jun 2008 (20080612/PD)

FILE LAST UPDATED: 12 Jun 2008 (20080612/ED)

HIGHEST GRANTED PATENT NUMBER: US7386892

HIGHEST APPLICATION PUBLICATION NUMBER: US20080141427

CA INDEXING IS CURRENT THROUGH 12 Jun 2008 (20080612/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 12 Jun 2008 (20080612/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2008

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2008

=> s 13

11 ABDULLAH, M?/AU  
11 ABDULLAH M?/AU  
0 KULAVEERASINGAM, H?/AU  
0 KULAVEERASINGAM H?/AU  
L15 0 L1 AND L2

=> s 15

11 ABDULLAH, M?/AU  
11 ABDULLAH M?/AU  
0 KULAVEERASINGAM, H?/AU  
0 KULAVEERASINGAM H?/AU  
L16 11 L1 OR L2

=> s 111

255 PEROXIREDOXIN

```

288608 PLANT
L17      127 L7 AND PLANT

=> s l16 and l17
L18      0 L16 AND L17

=> s l12
      255 PEROXIREDOXIN
      288608 PLANT
      243325 TRANSFORMED
      51583 TRANSGENIC
L19      115 L11 AND (TRANSFORMED OR TRANSGENIC)

=> s peroxiredoxin(s)plant
      255 PEROXIREDOXIN
      288608 PLANT
L20      28 PEROXIREDOXIN(S)PLANT

=> s l19 and l20
L21      28 L19 AND L20

=> d l21 1-10 ti

L21 ANSWER 1 OF 28  USPATFULL on STN
TI   Genes and uses for plant improvement

L21 ANSWER 2 OF 28  USPATFULL on STN
TI   Transgenic plants with enhanced agronomic traits

L21 ANSWER 3 OF 28  USPATFULL on STN
TI   Transgenic corn seed with enhanced free lysine

L21 ANSWER 4 OF 28  USPATFULL on STN
TI   Rice regulatory sequences for gene expression in defined wheat tissue

L21 ANSWER 5 OF 28  USPATFULL on STN
TI   Genes and uses for plant improvement

L21 ANSWER 6 OF 28  USPATFULL on STN
TI   DOMINANT NEGATIVE MUTANT KRP PROTEIN PROTECTION OF ACTIVE CYCLIN-CDK
      COMPLEX INHIBITION BY WILD-TYPE KRP

L21 ANSWER 7 OF 28  USPATFULL on STN
TI   Cloning of novel gene sequences expressed and repressed during winter
      dormancy in the apical buds of tea

L21 ANSWER 8 OF 28  USPATFULL on STN
TI   Dissimilar promoters for gene suppression

L21 ANSWER 9 OF 28  USPATFULL on STN
TI   Transgenic plants with enhanced agronomic traits

L21 ANSWER 10 OF 28  USPATFULL on STN
TI   Method to trigger RNA interference

=> d l21 11-28 ti

L21 ANSWER 11 OF 28  USPATFULL on STN
TI   Gene suppression in transgenic plants using multiple
      constructs

```

L21 ANSWER 12 OF 28 USPATFULL on STN  
 TI Antioxidant pharmaceutical compound, method for producing polypeptide and method of cure

L21 ANSWER 13 OF 28 USPATFULL on STN  
 TI Flexible method and apparatus for high throughput production and purification of multiple proteins

L21 ANSWER 14 OF 28 USPATFULL on STN  
 TI Genes and uses for plant improvement

L21 ANSWER 15 OF 28 USPATFULL on STN  
 TI Enhanced zein reduction in transgenic corn seed

L21 ANSWER 16 OF 28 USPATFULL on STN  
 TI Maize seed with synergistically enhanced lysine content

L21 ANSWER 17 OF 28 USPATFULL on STN  
 TI Genes and uses for plant improvement

L21 ANSWER 18 OF 28 USPATFULL on STN  
 TI Transgenic plants expressing cytokinin biosynthetic genes and methods of use therefor

L21 ANSWER 19 OF 28 USPATFULL on STN  
 TI Transgenic corn seed with enhanced amino acid content

L21 ANSWER 20 OF 28 USPATFULL on STN  
 TI Recombinant DNA for gene suppression

L21 ANSWER 21 OF 28 USPATFULL on STN  
 TI Transgenic plants with improved phenotypes

L21 ANSWER 22 OF 28 USPATFULL on STN  
 TI Materials and methods for the modulation of cyclin-dependent kinase inhibitor-like polypeptides in maize

L21 ANSWER 23 OF 28 USPATFULL on STN  
 TI Flexible method and apparatus for high throughput production and purification of multiple proteins

L21 ANSWER 24 OF 28 USPATFULL on STN  
 TI Gene sequences and uses thereof in plants

L21 ANSWER 25 OF 28 USPATFULL on STN  
 TI Cloning of novel gene sequences expressed and repressed during winter dormancy in the apical buds of tea ( *Camellia sinensis* L. (O.) Kuntze) bush

L21 ANSWER 26 OF 28 USPATFULL on STN  
 TI Flexible method and apparatus for high throughput production and purification of multiple proteins

L21 ANSWER 27 OF 28 USPATFULL on STN  
 TI Polynucleotides and polypeptides derived from corn ear

L21 ANSWER 28 OF 28 USPATFULL on STN  
 TI Expressed sequences of *arabidopsis thaliana*

=> d his

(FILE 'HOME' ENTERED AT 21:17:36 ON 14 JUN 2008)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT  
21:37:59 ON 14 JUN 2008

L1 1414 S (ABDULLAH, M? OR ABDULLAH M?)/AU  
L2 13 S (KULAVEERASINGAM, H? OR KULAVEERASINGAM H?)/AU  
L3 4 S L1 AND L2  
L4 3 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)  
L5 1423 S L1 OR L2  
L6 1419 S L5 NOT L3  
L7 4134 S PEROXIREDOXIN  
L8 0 S L6 AND L7  
L9 1 S L7 AND (OIL(W)PALM OR ELAEIS(W)OLIFERA)  
L10 0 S L9 NOT L5  
L11 382 S L7 AND PLANT  
L12 54 S L11 AND (TRANSFORMED OR TRANSGENIC)  
L13 54 S L12 NOT L5  
L14 26 DUPLICATE REMOVE L13 (28 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 21:44:52 ON 14 JUN 2008

L15 0 S L3  
L16 11 S L5  
L17 127 S L11  
L18 0 S L16 AND L17  
L19 115 S L12  
L20 28 S PEROXIREDOXIN(S)PLANT  
L21 28 S L19 AND L20

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.00

63.94

STN INTERNATIONAL LOGOFF AT 21:47:24 ON 14 JUN 2008